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EXAMINER	
PEREZ, JULIO R	

ART UNIT	PAPER NUMBER
2681	

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/018,844	Applicant(s) ZECHLIN, OLIVER	
	Examiner Julio R Perez	Art Unit 2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *20 February 2002*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *18-34* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *18-34* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 18-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Boot (EP880293).

Regarding claim 18, Boot teaches a communications method, comprising: inputting short message information on a mobile terminal (col. 4, lines 28-33and 50-58, messages are inserted into the mobile device); transmitting short message information from the mobile terminal via a mobile radiotelephone channel to a corresponding base station (col. 4, lines 34-38; col. 5, lines 55-58; col. 6, lines 1-2, messages are sent to base stations 15a, 15b, 15c through a corresponding a channel); transmitting the short message information from the base station to a TV transmitter unit (col. 5, lines 16-35, messages are inserted into TV signal) ; converting the short message information into corresponding TV transmission signals(col. 4, lines 38-42; col. 5, lines 26-35, the message is inserted into a TV signal fro transmission to TV receivers); transmitting the TV transmission signals corresponding to the short message information to a TV set (col. 4, lines 42-46; col. 5, lines 32-35; Fig. 1, ref. 23), the TV signal is communicated to several TV receivers); and presenting short message information on the TV set to visualize the TV transmission signals or transmitting to another mobile terminal for

output (col. 7, lines 21-29, messages sent can be displayed on TV receivers for actual reading).

Regarding claim 19, Boot teaches the communications method, wherein during inputting, a telephone number is entered together with the short message information, and during the transmitting from the base station, the short message information is transmitted to the TV transmitter unit corresponding to the telephone number (col. 5, lines 16-30 and 57-58; col. 6, lines 1-2, a message is inputted together with its equivalent phone number being called).

Regarding claim 20, Boot teaches the communications method, wherein during transmitting the TV transmission signals, the TV transmission signals corresponding to the short message information are transmitted via a transmission channel reserved for the transmission of short message information to the TV set (col. 5, lines 26-34 and 44-54; col. 6, lines 42-46; col. 7, lines 21-29, the broadcasting signals regarding the message are communicated to TV receivers through a communication channel).

Regarding claim 21, Boot teaches the communications method, wherein the TV transmission signals corresponding to the short message information are transmitted via a transmission channel reserved for a TV program to the TV set (col. 5, lines 26-34 and 44-58; col. 6, lines 42-46; col. 7, lines 21-29, the message is sent through a corresponding channel).

Regarding claim 22, Boot teaches the communications method, wherein during presenting, the short message information is presented in videotext of the

corresponding TV program (col. 5, lines 26-34 and 44-58; col. 6, lines 42-46; col. 7, lines 21-29, text may be displayed on a television screen).

Regarding claim 23, Boot teaches the communications method, wherein during presenting, the short message information is inserted into the TV program (col.3, lines 30-37, a message is presented onto the TV display).

Regarding claim 24, Boot teaches the communications method, wherein during presenting, the short message information is presented on the TV set in the form of a permanent local display (col. 5, lines 32-35, text is displayed on the TV screen).

Regarding claim 25, Boot teaches the communications method, wherein during presenting, the short message information is presented on the TV set in the form of a scrolling display (col. 5, lines 31-35, it is inherent as evidenced by the fact that one of ordinary skill in the art would have recognized the fact that the device must have means to visualize a long document by moving the text vertically or horizontally across the screen).

Regarding claim 26, Boot teaches the communications method as claimed in claim 18, wherein during presenting, short message information from different mobile terminals is presented simultaneously on the TV set (col. 5, lines 30-37, messages are presented on the TV screen).

Regarding claim 27, Boot teaches the communications method, wherein the short message information during presenting is presented on the TV set together with a telephone number, which is allocated to the mobile terminal and is used during inputting and transmitting from the mobile terminal to enter and send the short message

information (col. 5, lines 16-35, phone number and message is entered onto the mobile device to send a messages).

Regarding claim 28, Boot teaches the communications method, wherein the short message information during inputting is entered via a keypad of the mobile terminal (col. 6, lines 22-26, the mobile terminal has means for entering information).

Regarding claim 29, Boot teaches a communications system comprising: a plurality of mobile terminals which communicate with one another via a mobile radiotelephone channel, whereby the mobile terminals are configured to transmit short message information (col. 4, lines 22-33 and 50-55, mobile communication devices may communicate with other mobile devices by sending messages); at least one TV transmitter unit having a reception unit to receive the short message information transferred by one of the mobile terminals (col. 4, lines 38-46, the system comprises of a TV-signal broadcasting means); a conversion unit to convert the received short message information into TV transmission signals (col. 4, lines 38-42, the system includes means to insert messages into TV-signals); and a transmission unit to transmit the TV transmission signals corresponding to the received short message information via a TV transmission channel (col. 4, lines 42-46; col. 5, lines 26-35 and 44-54, the TV signals are communicated to TV receivers), wherein the mobile terminals communicate with one another via at least one base station, the base station configured such that it forwards short message information received from one of the mobile terminals to the TV transmitter unit identified by a corresponding telephone number or transmits the short message information directly to another mobile terminal for output (col. 4, lines 34-38

and 55-58; col. 5, line 16-35; col. 6, lines 1-2, messages and a destined number are inputted into the communication mobile devices and sent through a channel dedicated for the TV receivers or other communication mobile devices capable of receiving messages) .

Regarding claim 30, Boot teaches the communications system, wherein the transmission unit of the TV transmitter unit is configured to transmit the TV transmission signals corresponding to the short message information via the TV transmission channel reserved for the transmission of short message information (col. 5, lines 26-34 and 44-58; col. 6, lines 42-46; col. 7, lines 21-29 the message is sent through a corresponding channel).

Regarding claim 31, Boot teaches the communications system, wherein the transmission unit of the TV transmitter unit are configured to transmit the TV transmission signals corresponding to the short message information via the TV transmission channel reserved for the transmission of short message information (col. 5, lines 26-34 and 44-58; col. 6, lines 42-46; col. 7, lines 21-29, the message is sent through a corresponding channel).

Regarding claim 32, Boot teaches the communications system, wherein the transmission unit of the TV transmitter unit is configured to transmit the short message information via a TV transmission channel embedded in videotext information of the corresponding TV program (col. 5, lines 26-34 and 44-58; col. 6, lines 42-46; col. 7, lines 21-29; the message is sent through a corresponding channel, which consequently can be presented on a TV screen).

Regarding claim 33, Boot teaches the communications system, wherein the short message information is transmitted via the TV transmission channel to a plurality of TV sets, the TV sets presenting the short message information in the form of a permanent local display (col. 5, lines 32-35, text is displayed on the TV screen).

Regarding claim 34, Boot teaches the communications system, where in the short message information is transmitted via the TV transmission channel to a plurality of TV sets, the TV sets presenting the short message information in the form of a scrolling display (col. 5, lines 31-35, it is inherent as evidenced by the fact that one of ordinary skill in the art would have recognized the fact that the device must have means to visualize a long document by moving the text vertically or horizontally across the screen).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to further show the art with respect to transmitting call requests and messages and inserting messages into TV signals.

US Pat. No. 5706334 to Balk et al.	Providing graphical control interface
US Pat. No. 60400958 to Isomursu et al.	Network supporting a plurality of applications

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julio R Perez whose telephone number is (703) 305-8637. The examiner can normally be reached on Monday - Friday, 7:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Erika Gary can be reached on (703) 308-0123. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JP
6/21/04

ERIKA GARY
PATENT EXAMINER